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08/736,143	10/28/96	APPLE	T 03294.0027-0

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EXAMINER
BLACKMAN, A

ART UNIT	PAPER NUMBER
2774	10

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Please find below and/or attached an Office communication concerning this application or proceeding.

Commissioner of Patents and Trademarks

Office Action Summary	Application No. 08/736,143	Applicant(s) Apple et al	
	Examiner Anthony Blackman	Group Art Unit 2774	‖‖‖‖‖‖‖

☒ Responsive to communication(s) filed on _Apr 26, 1999_ .

☐ This action is **FINAL**.

☐ Since this application is in condition for allowance except for formal matters, **prosecution as to the merits is closed** in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11; 453 O.G. 213.

A shortened statutory period for response to this action is set to expire ____3____ month(s), or thirty days, whichever is longer, from the mailing date of this communication. Failure to respond within the period for response will cause the application to become abandoned. (35 U.S.C. § 133). Extensions of time may be obtained under the provisions of 37 CFR 1.136(a).

Disposition of Claims

☒ Claim(s) _1-38_ is/are pending in the application.

Of the above, claim(s) _____ is/are withdrawn from consideration.

☐ Claim(s) _____ is/are allowed.

☒ Claim(s) _1-38_ is/are rejected.

☐ Claim(s) _____ is/are objected to.

☐ Claims _____ are subject to restriction or election requirement.

Application Papers

☒ See the attached Notice of Draftsperson's Patent Drawing Review, PTO-948.

☐ The drawing(s) filed on _____ is/are objected to by the Examiner.

☐ The proposed drawing correction, filed on _____ is ☐ approved ☐ disapproved.

☐ The specification is objected to by the Examiner.

☐ The oath or declaration is objected to by the Examiner.

Priority under 35 U.S.C. § 119

☒ Acknowledgement is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d).

☒ All ☐ Some* ☐ None of the CERTIFIED copies of the priority documents have been

☒ received.

☐ received in Application No. (Series Code/Serial Number) _____ .

☐ received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

*Certified copies not received: _____ .

☐ Acknowledgement is made of a claim for domestic priority under 35 U.S.C. § 119(e).

Attachment(s)

☒ Notice of References Cited, PTO-892

☐ Information Disclosure Statement(s), PTO-1449, Paper No(s). _____

☐ Interview Summary, PTO-413

☒ Notice of Draftsperson's Patent Drawing Review, PTO-948

☐ Notice of Informal Patent Application, PTO-152

--- *SEE OFFICE ACTION ON THE FOLLOWING PAGES* ---

DETAILED ACTION

Claim Rejections - 35 USC § 103

1.   The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness

rejections set forth in this Office action:

> (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in
> section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are
> such that the subject matter as a whole would have been obvious at the time the invention was made to a person
> having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the
> manner in which the invention was made.

2.   Claims 1-38 are rejected under 35 U.S.C. 103(a) as being unpatentable over Risberg et

al(U.S. Patent No. 5,339,392) in view of Lauer et al(U.S. Patent No. 5,523,769).

3   Consider claims 1, 15, 16, 17, 27, 37, and 38. Risberg et al's "Apparatus and Method for

Creation of a User Definable Video Displayed Document Showing Changes in Real Time Data",

teach elementized market data feed and paged market data feed (Figure 3(32, 36, and 34), and

column 18; lines 45-60), extract values from specified fields of the data object(Figure 8,(112 and

114), and column 23; lines 56-68 and column 24; lines 1-9), store extracted values(Figure 8(112,

114, 116, 118, 120), and column 23; lines 62-68 and column 24; lines 1-9), file/database(Figure

9(132 and 152), column 24; lines 10-25, lines 64-68 and column 25; lines 1-6), script

processor(Figure 9(154), column 25; lines 7-68 and column 26; lines 1-9, network and format

operations(column 47; lines 47-52, and column 48; lines 20-38), "Changes in the stock

price...tickers...streams of trade data...moving across a common window. ...market monitor

display...selected by the user"(correspond to trades in financial instruments and stock ticker

information, column 1; lines 59-68), correspond to input port..., filter means..., input processor...,

data structure..., correlating means..., and display controller means..., however, Risberg et al

does not disclose large wall-size displays comprising active modules, with each module having its

own display device and display means. On the other hand, Lauer et al disclose large wall-size

displays comprising active modules, with each module having its own display device and display

means(Figures (1a, 1b, 3, 4, 5, and 6), column 3; lines 57-67, column 4; lines 1-67 and column 5;

lines 1-22). It would be obvious to one skilled in the art at the time of the invention to combine

Risberg et al's electronic device which includes up to date: stock, financial, and market data when

combined with Lauer et al's large screen display means form a suitable environment to display real

time data related to stock, financial, and market information in order to improve the image display

of real time financial and market information.

4   Consider claim 2. As to claim 1, Risberg et al disclose (stock ticker) feed means(Figure

1(19), column 3; lines 14-31, column 10; lines 29-68 and column 11; lines 1 and 2).

5   Consider claim 3. As to claim 1, Risberg et al disclose the current price of stock(column;

1; lines 56-59).

6   Consider claim 4. As to claim 1, Risberg et al disclose the display of graphic

symbols(Figure 1(18, 19), column 10; lines 28-34, column 11; lines 16-35, and column 28; lines

57-59), correspond to graphic symbols.

7   Consider claim 5. As to claim 1, Risberg et al disclose trade data moving across a

common window as a means for the control system processes(Figure 1(18 and 19), column 1;

lines 60-64), correspond to ticker display data.

8   Consider claims 6, 7, and 8. As to claim 1, Risberg et al disclose networking means

(column 8; lines 48-67 and column 9 lines 1-3, column 47; lines 47-68 and column 48; lines 1-38),

however, does not disclose input processing means with a plurality of display processing means.

Lauer et al disclose input processing means and plurality of display processing means(column 3;

lines 57-67, column 4; lines 1-67 and column 5; lines 1-22), input processor, control means for

synchronizing the display processors, and control means that includes a control processor coupled

to the display processors, however, does not disclose a networking means. It would have been

obvious to one of ordinary skill in the art at the time of the invention to modify Risberg et al's

electronic device that includes networking means of real time data(column 8; lines 48-67 and

column 9 lines 1-3, column 47; lines 47-68 and column 48; lines 1-38) with Lauer et al's: input

processing means and display means(column 3; lines 57-67, column 4; lines 1-67 and column 5;

lines 1-22), because Risberg et al would have an electronic device with better networking means

to process the display information.

9   Consider claim 9. As to claim 1, Lauer et al disclose device controller means of image

display(Column 2; lines 28-52, and column 7; lines 25-52).

10   Consider claims 10 and 11. As to claim 1,   Risberg et al disclose trade data moving across

a common window (Figure 1(18 and 19), column 1; lines 60-64) and networking means (column

8; lines 48-67 and column 9 lines 1-3, column 47; lines 47-68 and column 48; lines 1-38),

correspond to means for moving ticker display, video wall display processors.

11   Consider claims 12 and 13. As to claim 1, Risberg et al disclose the means of ...

"implementation of generic tools for data manipulation and display"(column 47; lines 47-52, and

column 48; lines 20-52), correspond to plurality of routing switches... controlling the routing, and

routing switches.

12   Consider claim 14. As to claim 1, Risberg et al disclose a voice processor(Figure 9(124),

column 24; lines 10-28), correspond to an audio source for producing audio signals.

13   Consider claims 18, 19, 20 and 21. As to claim 1, Risberg et al disclose script

processor(Figure 9(154), file/database(Figure 9(132), column 24; lines 65-68, column 25; lines

1-68 and column 26; lines 1-9) correspond to electronic device, and source of bit map data

means.

14   Consider claim 22. As to claim 18, Risberg et al disclose two feed handlers(Figure 3(34

and 36), and file/database(Figure 9(132, 150, 152, 66, and 154), correspond to data scrolled on

the display and updated according to market conditions.

15   Consider claim 23. As to claim 22, Risberg et al teach extraction of values from specified

fields of the data object(Figure 8,(112 and 114), and column 23; lines 56-68 and column 24; lines

1-9), store extracted values(Figure 8(112, 114, 116, 118, 120), and column 23; lines 62-68 and

column 24; lines 1-9), file/database(Figure 9(132 and 152), column 24; lines 10-25, lines 64-68

and column 25; lines 1-6), script processor(Figure 9(154), column 25; lines 7-68 and column 26;

lines 1-9), network and format operations(column 47; lines 47-52, and column 48; lines 20-38),

correspond to filter extracting data and placing data in database.

16   Consider claim 24. As to claim 17, Risberg et al disclose ticker data means(column 11;

lines 16-35), correspond to a database that contains bitmap data in a database.

17.   Consider claim 25. As to claim 24, Risberg et al disclose current price of stock (column 1;

lines 39-41, and 56-60).

18   Consider claim 26. As to claim 24, Risberg et al disclose the extraction of values from specified fields of the data object(Figure 8,(112 and 114), and column 23; lines 56-68 and column 24; lines 1-9), store extracted values(Figure 8(112, 114, 116, 118, 120), and column 23; lines 62-68 and column 24; lines 1-9), file/database(Figure 9(132 and 152), column 24; lines 10-25, lines 64-68 and column 25; lines 1-6), correspond to a filter extracting data and placing the data in database.

19   Consider claims 28 and 29. As to claim 27, Risberg et al disclose script processor(Figure 9(154), and column 24; lines 65-68, column 25; lines 1-68 and column 26; lines 1-9), corresponds to a data source containing financial information and bit map data, and financial information includes company identifiers.

20   Consider claim 30. As to claim 27, Risberg et al disclose ticker means(column 1; lines 56-67).

21   Consider claim 31. As to claim 27, Risberg et al disclose input events(column 24; lines 16-25), ... filtering the source, corresponds to filtering and extracting the data to place in the database.

22   Consider claims 32, 33, and 36. Risberg et al disclose ticker display means(column 18; lines 45-68), corresponds to a method for displaying stock ticker information, accessing the graphic symbols, a method for dynamically displaying graphic symbols and value information for financial instruments.

23   Consider claim 34. As to claim 32, Risberg et al disclose file/database(Figure 9(132),

column 24; lines 65-68, column 25; lines 1-68 and column 26; lines 1-9), corresponds to a source

of bit map data means.

24   Consider claim 35. As to claim 32, Risberg et al disclose current price of stock and

changes in price of stock(column 1; lines 53-68).

Response to Arguments

25   Applicant's arguments filed 4/26/99 have been fully considered but they are not

persuasive. Applicant argues that the prior art does not teach a memory to store extracted

financial instrument identifiers and corrsponding values, database that stores graphic symbols that

can be accessed by financial instrument identifiers, a moving ticker display with logos and trade

information is not displayed on video wall, further, applicant argues that prior art does not teach

graphic symbols that include corporate logos, or disclose a plurality of display processors.

The examiner disagrees because Risberg et al teaches that

a memory stores extracted values from user specified fields and that the value of the data fields

are compared to specifications set by the user. The database directly refers to financial and market

data such as symbols, input devices, and events such as a quote or a ticker. Furthermore, Lauer

et al disclose display means with a processor that converts structured data into images, which

correspond to graphic symbols as well as financial data . Risberg et al disclose use of graphic

symbols/corporate logos in Figure 1(18), with IBM.

Lauer et al teach the representation of visual information and the visual relationships among

objects in databases(Lauer et al, column 13; lines 64-66).

THIS ACTION IS MADE FINAL.

Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS

from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the

mailing date of this final action and the advisory action is not mailed until after the end of the

THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the

date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be

calculated from the mailing date of the advisory action. In no event, however, will the statutory

period for reply expire later than SIX MONTHS from the mailing date of this final action.

Conclusion

26   The prior art made of record and not relied upon is considered pertinent to applicant's

disclosure. Higgins(U.S. Patent No. 5,270,922) disclose financial market ticker, routing network

stock symbol followed by an identifier, current trade information, scrolling display, however,

Higgins does not contain large display with plurality of monitors(video wall). Hagiwara et al(U.S.

Patent No. 5,784,035) disclose a large screen display , however, does not include display means

for ticker market display, nor logo means of display. Jonker et al(U.S. Patent No. 5,245,324)

disclose logo display means, however doe snot disclose plurality of routing switches. Andrews et al(US Patent No. 3,651,511) disclose electronic traveling message display on a large wall display of a continuous flow of information. Epstein(US Patent No. 3,387,268) discloses transmitted stock trading transactions.

27.   Any inquiry concerning this communication or earlier communications from the examiner should be directed to Anthony Blackman whose telephone number is (703) 305-0833. The examiner can normally be reached on Monday through Thursday from 8 a.m. to 4 p.m. EST.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Richard Hjerpe, can be reached on (703) 305-4709.

Any response to this action should be mailed to:

Commissioner of Patents and Trademarks

Washington, D.C. 20231

or faxed to:

(703) 308-6606, (for formal communications intended for entry)